

# **USAF Scientific Advisory Board**

**2002 Ad-Hoc Study**

## **Attacking Mobile and Time Critical Targets Deep in Enemy Territory**

*Terms of Reference*

*9 October 2001*

### ***BACKGROUND***

There are an increasing number of targets deep (as much as hundreds of miles) in enemy territory that move and/or hide. Intelligence to provide the real-time location is a major part of the problem. But even supposing there were a system or systems to provide real-time target ID and location, the capability to receive such a communication and then attack rapidly enough to destroy many of these targets is deficient.

### ***STUDY PRODUCTS***

Briefing to SAF/OS & AF/CC by August 2002. Publish report by December 2002.

### ***CHARTER***

The goal of this study is to provide recommendations to the Air Force that will improve the capability of attacking and defeating mobile and other time critical targets deep in enemy territory, focusing primarily on the technical capabilities needed to successfully accomplish this mission. The study should first consider what can be done with current assets (including nearly current assets such as the F-22), and then consider cost constrained future possibilities.

The study should address:

- concepts of operations
- ISR needs in terms of time scale and precision
- possible weapon systems and weapons to accomplish the mission
- BDA
- communication capabilities to support the above